

CLAIMS

1. A communication system comprising:
- an information providing unit configured to provide information data;
 - 5 an information providing-side network configured to connect the information providing unit and be restricted access;
 - an information transmitter configured to obtain the information data by transmitting request data for requesting the information data to the information providing unit, and transmit obtained information data to a terminal;
 - 10 an information transmitting-side network configured to connect the information transmitter and be restricted access; and
 - a transfer unit configured to connect the information transmitting-side network and the information providing-side network, determine whether or not transmitting-side data received via the information transmitting-side network is
 - 15 data transmitted from the information transmitter, and whether or not providing-side data received via the information providing-side network is data transmitted from the information providing unit, and transfer the transmitting-side data and the providing-side data based on determination results.
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2. The communication system of Claim 1, further comprising:
- a plurality of information providing-side networks, wherein
 - the transfer unit connects the information transmitting-side network and
 - the plurality of information providing-side networks.
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3. The communication system of Claim 1, wherein the transfer unit converts an address attached to data transmitted to the information providing unit from the information transmitter, into a providing-side address, and converts an address
- 30 providing unit, into a transmitting-side address.

4. The communication system of Claim 1, wherein the transfer unit converts an address attached to data transmitted to the information providing unit from the information transmitter, into a common address, converts a converted common address into a providing-side address, converts an address attached to data
5 transmitted to the information transmitter from the information providing unit, into the common address, and converts a converted common address into a transmitting-side address.
5. The communication system of Claim 1, wherein the transfer unit memorizes a
10 threshold value for an amount of the information data from the information providing unit for transfer at once, compares the threshold value with an amount of the information data received from the information providing unit via the information providing-side network, and controls transfer of the transmitting-side data and the providing-side data based on a comparison result.
- 15 6. The communication system of Claim 1, wherein the information data is video data.
7. The communication system of Claim 1, wherein at least one of the information
20 providing-side network and the information transmitting-side network is a virtual private network.
8. A transfer device connects an information providing-side network connecting an information providing unit providing information data and being restricted access,
25 and an information transmitting-side network connecting an information transmitter obtaining the information data by transmitting request data for requesting the information data to the information providing unit and transmitting obtained information data to a terminal and being restricted access,
determines whether or not transmitting-side data received via the
30 information transmitting-side network is data transmitted from the information transmitter, and whether or not providing-side data received via the information

providing-side network is data transmitted from the information providing unit,
and

transfers the transmitting-side data and the providing-side data based on
determination results.